A LIMITED ENERGY STUDY OF HIGH TEMPERATURE AND CHILLED WATER DISTRIBUTION SYSTEMS AT FORT STEWART AND HUNTER ARMY AIRFIELD, GEORGIA

VOLUME III
FIELD INVESTIGATION FORMS

FINAL SUBMITTAL

Prepared For
Savannah District, Corps of Engineers

Contract Number DACA01-94-D-0038
Delivery Order Number 0002

Prepared by
Reynolds, Smith and Hills, Inc.
4651 Salisbury Road
Jacksonville, Florida 32256
(904) 296-2000

Carlos S. Warren, PhD, PE
Project Manager

William T. Todd, PE
Field Survey Manager

September 6, 1996

6941331002

Forces Command	3rd Infantry Division Fort Stewart	Savannah District Corps of Engineers	Reynolds, Smith and Hills, Inc.

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DEPARTMENT OF THE ARMY
CONSTRUCTION ENGINEERING RESEARCH LABORATORIES, CORPS OF ENGINEERS
P.O. BOX 9005
CHAMPAIGN, ILLINOIS 61826-9005

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APPENDIX B FIELD INVESTIGATION FORMS

B.1 VALVE PIT VALVES AND FITTINGS SURVEY FORMS

Valve Pit Zone - Number	HTW Leaks Observed					Sump Pump Repair Required	Pipe/Valve Missing Insulation	Additional Observations and Comments
	Main Valves	Drain Valves	Line Vents	Conduit Vents	HTW Piping			
VB-1-1	N	N	N	N	N	Y	N	
VP-1-1	N	N	N	N	N	Y	N	
VP-1-2	N	N	N	N	N	N	Y	
VP-1-3	N	N	N	N	N	N	N	
VP-1-4	N	N	N	Y	N	Y	N	
VP-1-5	N	N	N	N	N	N	N	
VP-1-6	N	N	N	N	N	Y	Y	
VP-1-7	N	N	N	N	N	N	N	
VP-1-8	N	N	N	N	N	N	N	
VP-1-9	N	N	N	N	N	N	Y	
DP-1-10	N	N	N	N	N	Y	N	
VP-1-10	N	N	N	Y	N	N	Y	
VP-1-11	Y	N	N	N	N	N	N	
VP-1-12	N	N	N	N	N	N	Y	
DP-1-13	N	N	N	Y	N	Y	N	
VP-1-13	N	N	N	Y	N	N	N	Pit leaking
VP-1-14	N	N	N	Y	N	Y	N	
VP-1-15	N	N	N	N	N	N	N	
VP-1-16	N	Y	N	Y	Y	Y	Y	Pit leaking
VP-1-17	N	N	N	Y	N	N	N	
DP-1-17/18	N	N	N	Y	N	Y	N	
VP-1-18	N	N	N	Y	N	N	N	
VP-2N/S-1	N	N	N	N	N	Y	N	
DP-2N-1	N	N	N	N	N	Y	Y	Pit leaking
VP-2N-2	N	N	N	N	N	Y	Y	
VB-2N-1	N	N	N	Y	N	Y	N	
VP-2N-3	N	N	N	N	N	N	N	Pit leaking
VB-2N-2	N	N	N	N	N	N	N	Conduit leaking
VB-2N-3	N	N	N	N	N	Y	N	Pit leaking
VP-2N-4	N	N	N	N	N	Y	N	
VP-2N-5	Y	N	N	N	N	Y	N	
VB-2S-1	N	N	N	N	N	Y	Y	Audible leak
VB-2S-2	N	N	N	N	N	Y	N	Pipes wet
VB-2S-3	N	N	N	N	N	Y	N	Pipes wet
VP-2S-1	N	N	N	N	N	Y	N	
VP-2S-2	N	N	N	N	N	Y	N	
VP-2S-3	Y	N	N	N	N	N	N	
VP-2S-4	N	N	N	N	N	N	N	
VP-2S-5	N	N	N	N	N	N	N	
VP-2S-6	N	N	N	N	N	Y	N	
VP-2S-7	N	N	N	N	N	N	N	
VP-2S-8	Y	N	N	N	N	N	Y	
VP-2S-9	N	N	N	N	N	N	N	
VP-2S-10	N	N	N	N	N	Y	N	
VP-2S-11	N	N	N	N	N	N	N	Elec. problem

Valve Pit Zone - Number	Leaks Observed					Sump Pump Repair Required	Pipe/Valve Missing Insulation	Additional Observations and Comments
	Main Valves	Drain Valves	Line Vents	Conduit Vents	HTW Piping			
VP-3-1	Y	Wet	N	N	N	Y	Y	Wet insulation
VP-3-2	N	N	N	Y	N	Y	N	
VP-3-2A	N	N	Y	Y	N	Y	Y	
VP-3-3	N	N	N	Y	N	N	N	
VP-3-3A	N	N	N	N	N	Y	N	
VP-3-4	N	N	N	N	N	Y	N	Wet insulation
VP-3-5	Y	Wet	N	N	N	Y	N	
VP-3-6	N	N	N	N	N	N	N	
VP-3-7	N	N	N	Y	N	N	N	Two trees in pit
VP-3-8	N	N	N	N	N	N	N	
VP-3-9	N	N	N	Y	N	N	N	
VP-3-10	N	N	N	Y	N	Y	N	Pit leaking
VP-3-11	Y	N	N	Y	N	N	N	Large pit leaks
VP-3-12	N	N	N	Y	N	N	N	Groundwater?
VP-3-13	N	N	N	N	N	Y	N	Groundwater?
VP-3-13A	N	N	N	Y	N	N	N	
VP-3-14	N	N	N	Y	N	N	N	
VP-3-15	Y	N	N	N	N	N	N	
VP-3-16	Y	N	N	N	N	N	Y	
VP-3-16A	N	N	N	N	N	N	N	
VP-3-17	N	N	N	N	N	N	N	
VP-3-18	Y	N	N	N	N	N	Y	
VP-3-19	N	N	N	N	N	Y	N	
VP-3-20	N	N	N	N	N	N	N	
VP-3-21	N	N	N	N	N	N	N	
VP-3-22	N	N	N	N	N	Y	N	
VP-3-23	N	N	N	N	N	Y	Y	
VP-3-24	N	N	N	N	N	Y	Y	
VP-3-24A	N	N	N	N	N	Y	Y	
VP-3-24B	N	N	N	N	N	N	Y	
VP-3-24C	N	N	N	N	N	N	N	
VP-3-25	N	N	N	N	N	N	N	
VP-3-25A	N	N	N	N	N	Y	N	
VP-3-26	N	Wet	N	N	N	Y	N	Wet insulation
VP-3-26A	N	N	N	N	N	Y	N	
VP-3-27	Y	N	N	N	N	Y	Y	
VP-3-28	N	N	N	N	N	N	N	
VP-S-1	N	N	N	N	N	N	N	
VP-S-2	N	N	N	N	N	N	N	
VP-S-3	Y	N	N	N	N	N	N	Steam leak
VP-S-4	N	N	N	N	N	N	N	
VP-S-5	N	N	N	N	N	N	N	
VP-S-6	N	N	N	N	N	N	N	
VP-S-7	N	N	N	N	N	N	N	
VP-S-8	N	N	N	N	N	Y	Y	
VP-S-9	N	N	N	N	N	Y	Y	
VP-S-10	N	N	N	N	N	N	Y	
VP-S-11	N	N	N	N	N	N	Y	Pit leaking
VP-S-12	N	N	N	Y	Y	N	Y	
VP-S-13	N	N	N	Y	N	N	N	

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ____; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VB-1-1
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

6. Check drain valves and fittings from all HTW mains:

7. Check valves and fittings on HTW line vents:

8. Check for steam flowing from HTW conduit vents:

9. Water level in pit ≈ 10 inches. SP not plugged in
10. Other observations or notes:

~1" pipes toward SW

- piping submerged, no visible leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-1
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None : SW + SE

   Vent from NW is plugged w/ screw plug

9. Water level in pit ≈ 1 inches. SP doesn't appear to work
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-2
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   OK
8. Check for steam flowing from HTW conduit vents:

   None ; NE, NW & SE
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

    missing insul: ~ 3" pipe - 1 elbow & 3LF

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   None: NE + SW
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

    No lines comming in from NW as shown on map

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-4
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None: NE, NW + SF

   * Slight steam flow + drip from both HTWS & HTWR vents to SW
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    - Sump pump on w/ no water in pit

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-5
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System — Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-6
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   OK
6. Check drain valves and fittings from all HTW mains:

   OK
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   None : NE + SW
9. Water level in pit ≈ 6 inches. SP not working
10. Other observations or notes:

    missing insul: ~1" pipe - 6LF & 2 elbows

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-7
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   NA

8. Check for steam flowing from HTW conduit vents:

   None : NE, NW & SE

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-S
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   None : NE + SW
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-9
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   None NE

   None SW
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    missing insul: 2 valves, ~4" dia pipe

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ✓; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): DP-1-10
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   NA
6. Check drain valves and fittings from all HTW mains:

   NA
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   None
9. Water level in pit ≈ 4 inches. SP not working
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-10
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   OK

8. Check for steam flowing from HTW conduit vents:

   slight steam flow + drip from HTWR vent to SE

9. Water level in pit ≈ 1/2 inches.
10. Other observations or notes:

    missing insulation: ~8" pipe - 1 elbow

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-11
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:
   * Valve stem leaking - drip/seep from valve to NW *
6. Check drain valves and fittings from all HTW mains:
   ok
7. Check valves and fittings on HTW line vents:
   ok
8. Check for steam flowing from HTW conduit vents:
   None : NE, NW, SE - SW
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:
    also has small pipes HTW S+R to NW

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-12
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None; NE, NW, SE, SW
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    Insul missing: ~2" pipe - ~6 LF toward NE

    also has ~2" HPW str toward NE (Fut. Ctr.)

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ✓; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): DP-1-13
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   NA

6. Check drain valves and fittings from all HTW mains:

   NA

7. Check valves and fittings on HTW line vents:

   NA

8. Check for steam flowing from HTW conduit vents:

   Slight steam flow from vent - could be due to condensate bar; ~ ½ submerged

9. Water level in pit ≈ 10 inches. Sprout working
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-13
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   - None ; NVE SE
   - Slight steam flow - drip from SW vent (to bldg.)
9. Water level in pit ≈ 1/2 inches.
10. Other observations or notes:

    drips (cold) from SW vent (GW or HTW ?)

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-14
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   NA

8. Check for steam flowing from HTW conduit vents:

   – None : NE, SE + SW

   – slight steam flow from NW vent (pipe on S-W side)

9. Water level in pit ≈ 2 inches. SP not working
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-15
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   NA

8. Check for steam flowing from HTW conduit vents:

   None: NE & SW

9. Water level in pit ≈ ~0~ inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ✓; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-16
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

* - Valve stem leaking steam and ~ 2-3 drops/sec HTW on HTW branch line (may be drain pipe) *

6. Check drain valves and fittings from all HTW mains:

1

7. Check valves and fittings on HTW line vents:

OK

8. Check for steam flowing from HTW conduit vents:

* - Light steam from vent to NE (toward main HTW lines) same pipe that has leaking drain valve mentioned above.
- Also has water leaking from conduit pipe entrance (maybe CW maybe HTW) ~ 2 drops/sec

9. Water level in pit ≈ 3 inches. SP not working
10. Other observations or notes:

- missing insul: ~4" pipe - ~6 LF

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-17
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   * fair amount of Steam from conduit vent to NE

   None: SE & SW

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ✓; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): DP-1-17/13
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

   NA
6. Check drain valves and fittings from all HTW mains:

   * HTW/Steam Flowing from conduit vent to NE
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   NA
9. Water level in pit ≈ 12 inches. SP not working
10. Other observations or notes:

INITIALS: ____; DATE: ____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-1-13
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None : NE, NW, & SE - Nov '95

   SE : drip + steam flow - Jan '96
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    - dead grass next to NE side of blg 816
    - Surface temp. (~ 3-4" down) is 83°F, other areas of ground are ~ 67°F. Temp. in crack of sidewalk was 90°F.

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ✓; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2NS-1
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:
   OK
6. Check drain valves and fittings from all HTW mains:
   OK
7. Check valves and fittings on HTW line vents:
   OK
8. Check for steam flowing from HTW conduit vents:
   None North
   None South
   None main from plant
9. Water level in pit ≈ 6 inches. sump pump not working
10. Other observations or notes:
    ~5 drops/sec from South supply/return conduit } probably ground water
    ~1 drop/7 sec from North " " "

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ✓; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): DP-2N-1
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None Northwest

   None South east

   None North east

9. Water level in pit ≈ 3 inches. SP not working
10. Other observations or notes:

    - Not shown on map - also has ~ 2" HTW supply & return to the north east,
    - Some insulation missing ~4 LF
    - Steady flow of water ~ 0.25 gpm from conduit of NW pipe could be ground water, pit is near drain pipe

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2N-2
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   OK
7. Check valves and fittings on HTW line vents:

   Ok
8. Check for steam flowing from HTW conduit vents:

   None NW
   " SE
   " SW
9. Water level in pit ≈ 4 inches. SP not working
10. Other observations or notes:

    ~1½" HTW S+R lines to South, west
    insulation missing ~5'

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ____; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VB-2N-1
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:
   ok
6. Check drain valves and fittings from all HTW mains:
   ok
7. Check valves and fittings on HTW line vents:
   ok
8. Check for steam flowing from HTW conduit vents:
   NW vent is hot w/ very light steam Flow - Not visible
   SE " " cold no Flow
9. Water level in pit ≈ 24 inches. SP not working
10. Other observations or notes:
    also has HTW S+R lines to SW

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2N-3
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None NW

   " SE

   " SW
9. Water level in pit ≈ -0- inches.
10. Other observations or notes: ~~groundwater~~

    ~1 drop/sec & audible leak sound near SE conduit (steam/HTW)

    Pit is near drainage ditch

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2N-2
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

   No valves on mains so called this a valve box

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None: NW, SE, SW, NE

9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    ~ 1 drop/sec from NW conduit

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ✓; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VB/DP-2N-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

   No valves on mains. Air bottles on mains
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None : NW & SE

   Vent to NE conduit has screw plug in it
9. Water level in pit ≈ 8 inches. If not working
10. Other observations or notes:

    - ground leak from around conduit entrance to pit NW + NE very slow drip from each

    - Pit in drainage ditch

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2N-4
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None : SE, SW + NE
9. Water level in pit ≈ 12 inches. SP not working
10. Other observations or notes:

    very slight ground water leak around SW conduit

INITIALS: _____; DATE: _____

HTW Distribution System — Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2N-5
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

* HTW/steam leaking from valve on main line to NW distribution line (to bldg 1840) - leak can be seen and heard *

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

None : SW, NE, NW

9. Water level in pit ≈ 6 inches. SP not working
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ____; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VB-2S-1
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None - NE & SW
9. Water level in pit ≈ 1 inches. SP not working- motor running but no flow
10. Other observations or notes:

    - ~~the~~ contains ~1½" HTW toward SW
    - Ground under dripping from around conduit to NE
    - insulation missing ~ 5', insulation soaked ~ 6'
    - Audible steam leaking sound could not find

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ____; Valve Box ____ ?
3. Pit/Box Number (VP - #, DP - #, VB - #): ____?____
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

6. Check drain valves and fittings from all HTW mains:

7. Check valves and fittings on HTW line vents:

8. Check for steam flowing from HTW conduit vents:

9. Water level in pit ≈ _____inches.
10. Other observations or notes:

Pit covered w/ solid metal cover and staked off

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ____; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VB-2S-2
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

6. Check drain valves and fittings from all HTW mains:

7. Check valves and fittings on HTW line vents:

8. Check for steam flowing from HTW conduit vents:
   None from NW (only vent)
9. Water level in pit ≈ 18 inches. SP not working
10. Other observations or notes:
    - Small HTW pipe to NW is only pipe visible through water, every thing in pit is submerged

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ____; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VB-2S-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

6. Check drain valves and fittings from all HTW mains:

7. Check valves and fittings on HTW line vents:

8. Check for steam flowing from HTW conduit vents:

   None from NW

9. Water level in pit ≈ 18 inches. SP not working
10. Other observations or notes:

    - Same notes as VB-2S-2

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-1
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None : SW (vent line is hot)

   SE

   NW (vent line is hot)
9. Water level in pit ≈ 4 inches. SP not working
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-2
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None : NE

   NW

   SE
9. Water level in pit ≈ 4 inches. Sump pump level arm is set too high
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   very slight audible leak from valve stem *

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None : NE, NW, SE, SW

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-25-4
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None: NW, NE, SW, SE

9. Water level in pit ≈ ~0~ inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ____; Drain Pit ____; Valve Box ✓
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-5
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None: NE, SW, NW
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-6
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   ~~No~~ NONE : NE, NW, SE
9. Water level in pit ≈ 3 inches. SP not working
10. Other observations or notes:

    ~~very slight audible steam leak~~ may be water flowing

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-7
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None : FNE, WSW
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

* Valve stems leaking steam (very slight) on HTW supply and return main valves *

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

None NE

None SW

NW vent line is capped w/ screw plug

9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

- has another ~ 1¼ S+R lines toward NW
- insulation missing on ~ 2' of lines to NW

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-9
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None: NE, NW, SE, SW
9. Water level in pit ≈ ~0~ inches.
10. Other observations or notes:

    also has HTW S&R toward the SW (~2" dia)

INITIALS: _____; DATE: _____

HTW Distribution System - Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-10
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None; NW, NE, SW, SE
9. Water level in pit ≈ 12 inches. SP not working
10. Other observations or notes:

    also has HTW str lines to the NW

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-2S-11
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None: NW

   None: SW

9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    Electrical conduit for sump pump is broken where it enters the valve pit. Metal pit cover grating is rubbing against the electrical wire and scraping off the insulation. Shock hazzard and should be fixed ASAP. I put in work order at DPW.

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-1
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

* Steam/HTW Leak around insulation of HTW main valve, Equiv. to small stream of water. Biggest leak seen yet. *

6. Check drain valves and fittings from all HTW mains:

some ok

some under water

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

NE - None

SE - "

SW - "

9. Water level in pit ≈ 12 inches. SP not plugged in
10. Other observations or notes:

- missing insulation: 3 elbows + 2 LF
- some insulation under water

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-2
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   * NW - slight drip + vent pipe is hot (swipe)

   SE - None
9. Water level in pit ≈ 18+ inches. Sump Pump is on top of pit cover.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-2A
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ~~ok~~

   * 1/17/96 slight steam flow from base of HTW SW line vent (NW pipe)

8. Check for steam flowing from HTW conduit vents:

   * SW - steady flow from vent of NW pipe (from mains)
   NE - vent closed w/ screen plug

9. Water level in pit ≈ 18± inches.
10. Other observations or notes:

    missing insul.: 1 valve, 1 45° elbow ~3" pipe

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   OK
8. Check for steam flowing from HTW conduit vents:

   * NW - steam flow (small) From cv of SW pipe
   SW - None
   SE - "
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-3A
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:
   OK
6. Check drain valves and fittings from all HTW mains:
   NA
7. Check valves and fittings on HTW line vents:
   NA
8. Check for steam flowing from HTW conduit vents:
   NA
9. Water level in pit ≈ 12 inches. SP not working
10. Other observations or notes:
    - Pit not on map
    - Stubouts only - For Future use

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-4
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   NE - ok

   SE - closed w/ screw plug
9. Water level in pit ≈ 12+inches. Sp not working.
10. Other observations or notes:

    1 HTW Pipe 1/2 way under water

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-5
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   – mains ok

   – Valve stem to stub out headed NW is leaking HTW at ~ 1 drop / 10 sec + a little foam
6. Check drain valves and fittings from all HTW mains:

   some ok

   some under water
7. Check valves and fittings on HTW line vents:

   Ok
8. Check for steam flowing from HTW conduit vents:

   SW - None

   SE - |

   NE - ✓
9. Water level in pit ≈ 12 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-6
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   NW - NONE

   SE - "

   NE - "
9. Water level in pit ≈ 6 inches.
10. Other observations or notes:

    Pit is not where shown on map - see markup

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-7
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:
   ok
6. Check drain valves and fittings from all HTW mains:
   ok
7. Check valves and fittings on HTW line vents:
   NA
8. Check for steam flowing from HTW conduit vents:
   SW - ok
   * SE - very light flow and occasional drip from both HTW conduit vents heading SE
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:
    2 trees growing in pit

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   SW - None

   SE - ↑
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-9
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   S - smaller amount of steam flow from eastern most pipe

   E - steady steam flow from southern most pipe

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-10
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   * W - small steam flow from southern most pipe
   N - steady flow of steam occ. drip from western most pipe.

9. Water level in pit ≈ 4 inches. SP works - adj. level control
10. Other observations or notes:

    * steady stream of water leaking into pit from ground conduit at North end of pit - can not tell if it is HTW or ground water. ~ 1/4 gal/min.

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-11
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

* - steam flowing from main valve of northern pipe at east wall of pit - est equiv. to ~ 1/8" stream of water. *

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

NA

8. Check for steam flowing from HTW conduit vents:

W - steady flow from both vents

E - slight flow from vent of southern pipe

9. Water level in pit ≈ 1/2 inches. SP works
10. Other observations or notes:

* About 1 gpm water is flowing into pit from around both roundits at east end of pit. Flow may be higher - ground is soaked + there are puddles from the sump pump drain pipe

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-12
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None N and E

   fair amount of steam flow from west vent (of south pipe)

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-13
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   OK
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   None NE & SW
9. Water level in pit ≈ 2 inches. SP not working
10. Other observations or notes:

    - was leak fixed near here?
    - pipe temp on outside ~90°F and 125°F
    - ground surface temp. at exp. loop near here is ~ 90°F

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-13A
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:
   ok
6. Check drain valves and fittings from all HTW mains:
   ok
7. Check valves and fittings on HTW line vents:
   NA
8. Check for steam flowing from HTW conduit vents:
   occasional slight steam flow from SW vent (pipe toward SE)
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:
    - all chw + htw pipes enter from SW + leave from SE
    ~~- was tank fixed here?~~
    ~~- Pipes temps at outside of tank:~~

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-14
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   X Steam flow and drips from both NW vents (~1 drop / 7-10 secs slightly more from NE vent)

   None from SE vents

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-15
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

* flange of HTWR valve from is leaking. Steam equivalent to very small continuous stream of HTW *

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

NW - None
NE - "
SW - "

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-16
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

* flange leaking at HTW main valve (pipe toward E) eq. to small round stream of water in 2 x more than valve VP-3-15 *

6. Check drain valves and fittings from all HTW mains:

ok

7. Check valves and fittings on HTW line vents:

ok

8. Check for steam flowing from HTW conduit vents:

None E + W

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

missing insulation on same valve #1 of 3 leaking

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-16A
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   N - NO conduit vent

   S - None

   W - None
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-17
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   E - None
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

    stub out only, no end user yet

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-13
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   * Flange - HTWR valve from South is leaking. Est. steam equiv. to ~ 1 drop/sec. *

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None - W, E + S

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

    missing insulation: same valve that is leaking

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-19
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None N, S, E + W
9. Water level in pit ≈ 3 inches. SP not working. Adj. or change float
10. Other observations or notes:

    HTW S+E of N, S, E + W - diff. than shown on map

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-20
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None N+S

9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-21
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None S + W
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

* leaking sound from Mech. equip room of bldg 224.

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-22
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok

   ~~ok~~
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   N - None

   S - "

   W - "
9. Water level in pit ≈ 2 inches. SP not working
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-23
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   NA
8. Check for steam flowing from HTW conduit vents:

   NE - vent closed w/ screw plug

   NW - None

   SW - None
9. Water level in pit ≈ 3 inches. Sump pump not working - motor cycles on (~1 sec) + off (30 sec) to monitor water is pumped.
10. Other observations or notes:

    - insul missing: 1 elbow, 2 valves + ~3LF of pipe

    - pipes from NE, NW + SW - diff. elev. plan

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-24
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   SE - None

   NE - "
9. Water level in pit ≈ 1 inches. adj. Float?
10. Other observations or notes:

    insul. missing from 1 main Valve

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-24A
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   SE - None

   NW - None

   SW - None
9. Water level in pit ≈ 1 inches.
10. Other observations or notes:

    - This pit is not on map

    - missing insul.: Main HTW line - 1 elbow + 2 Valve

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-24B
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   NW - None

   NE - "

   SW - "
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

    - missing insul on 2 valves ~ 3" pipe

    - This pit not on map.

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-24C
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   NW - None
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

    - This pit not on map

    - stub outs only for future use

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-25
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   SW - None
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

    Sub outs only - For future use

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-25A
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   NW - None

   SE - "
9. Water level in pit ≈ 1/2 inches. adj. Float on SP
10. Other observations or notes:

    this pit not on map

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-26
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   two ok

   two are under water

7. Check valves and fittings on HTW line vents:

   NA

8. Check for steam flowing from HTW conduit vents:

   SE - None

   NW - "

9. Water level in pit ≈ 18 inches. SP not working.
10. Other observations or notes:

    Some insul soaked due to high water level

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-26A
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   NE - None

   SW - None
9. Water level in pit ≈ 1 inches. adj. sp Float ?
10. Other observations or notes:

    This pit not on map

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-27
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

* ~1 drop/sec is running from insulation around HTW main valve near SW wall of pit, also slight visible steam from the same area *

6. Check drain valves and fittings from all HTW mains:

Ok

7. Check valves and fittings on HTW line vents:

NA

8. Check for steam flowing from HTW conduit vents:

SE - None

SW - None

9. Water level in pit ≈ 18 inches. No sump pump or piping for sp
10. Other observations or notes:

Insul. missing: 1 valve + 1 elbow of main

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-28
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   N - None

   S - "

   W - "
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ✓; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): DP-S-C
4. Mark location of pit/box and indicate pit/box number on site map.
5. Check valve stems, flanges and fittings at all ~~HTW~~ mains:

   NA
6. Check drain valves and fittings from all ~~HTW~~ mains:
7. Check valves and fittings on ~~HTW~~ line vents:
8. Check for steam flowing from HTW conduit vents:

   None
9. Water level in pit ≈ _____inches.
10. Other observations or notes:

    No valves on mains

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ✓; Valve Box ?
3. Pit/Box Number (VP - #, DP - #, VB - #): VP/DP-6
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all ~~HTW~~ steam mains:

   ~~HTW~~ steam valves: ok
6. Check drain valves and fittings from all ~~HTW~~ steam mains:

   ok
7. Check valves and fittings on ~~HTW~~ steam line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None : NE & SW
9. Water level in pit ≈ 0 inches.
10. Other observations or notes:

    No valve on steam main

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-7
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:
   ok
6. Check drain valves and fittings from all HTW mains:
   ok
7. Check valves and fittings on HTW line vents:
   ok
8. Check for steam flowing from HTW conduit vents:
   None : NW
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:
    HTW not used, only stub outs for future use

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-S-3
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None : NE & NW

9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

   - sump pump on w/ no water in pit - adj. level controls
   - missing insul: 8" pipe - 1 valve
     " " : 4" pipe - 1 valve

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-5-9
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None: NW + SE
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    - missing insul: 6" pipe - 1 flange & 1 valve

    - Sump pump running with little, or no water in pit - adj. level control

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-3-10
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None NW

   None SE

   SW (to bldg 3002) vent is capped w/ screw plug

9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    - missing insul: 6" pvc ; 2 valves, ~~illegible~~

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-S-11
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok

6. Check drain valves and fittings from all HTW mains:

   ok

7. Check valves and fittings on HTW line vents:

   ok

8. Check for steam flowing from HTW conduit vents:

   None : NW, NE, SW, SE

9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    - missing insulation: 1½" pipe: 3 flanges, 1 valve, ~5 LF
    6" " : 1 valve
    - groundwater dripping from around SW + NE conduit

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-S-12
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   light steam-flow and drip (1/15sec) from NW vent

   None : NE & SE
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

    missing insulation on ~ 1 ft of pipe w/2 valves + 2 flanges

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

VALVES & FITTINGS SURVEY

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Type of Pit/Box: Valve Pit ✓; Drain Pit ____; Valve Box ____
3. Pit/Box Number (VP - #, DP - #, VB - #): VP-S-13
4. Mark location of pit/box and indicate pit/box number on site map. ✓
5. Check valve stems, flanges and fittings at all HTW mains:

   ok
6. Check drain valves and fittings from all HTW mains:

   ok
7. Check valves and fittings on HTW line vents:

   ok
8. Check for steam flowing from HTW conduit vents:

   None : SE, SW
9. Water level in pit ≈ -0- inches.
10. Other observations or notes:

INITIALS: _____; DATE: _____

B.2 MECHANICAL EQUIPMENT ROOM SURVEY FORMS

HTW Study

Mechanical Rooms Survey - Summary

Fort Stewart

Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
206	3	Learning Center	80	DHW	Y	Y	Y
207	3	Dining Facility	124	DHW	Y	N	N
208	3	Fitness Center	113	DHW	Y	Y	N
211	3	Admin.	N/A	N/A	Y	Y	N
212	3	Admin/Barracks	131	DHW	Y	N	N
213	3	Barracks	120	DHW	Y	N	N
215	3	Barracks	137	DHW	Y	Y	N
216	3	Barracks	110	DHW	Y	Y	N
217	3	Admin.	N/A	N/A	Y	Y	N
218	3	Barracks	124	DHW	Y	N	Y
223	3	Admin.	N/A	N/A	Y	Y	N
224	3	Admin.	N/A	N/A	Y	Y	N
225	3	Admin.	N/A	N/A	Y	N	N
230	3	Tac Equip Shop	N/A	N/A	Y	N	N
241	3	Tac Equip Shop	N/A	N/A	Y	N	N
260	3	Tac Equip Shop	N/A	N/A	Y	N	N
270	3	Tac Equip Shop	N/A	N/A	Y	Y	N
276	3	Tac Equip Shop	N/A	N/A	N		
302	3	Hospital	137	DHW	Y	N	N
403	N/A	Child Care Ctr	N/A	N/A	Y	N/A	N
439	N/A	Fitness Center	139	DHW	Y	N/A	N
440	2	Dental Clinic	114	DHW	Y	N	N
501	2	Barracks	134	DHW	Y	Y	N
503	2	Barracks	122	DHW	Y	Y	N
504	2	Barracks	158	DHW	Y	Y	N
506	2	Admin.	N/A	N/A	Y	N	N
507	2	Admin.	N/A	N/A	Y	Y	N
508	2	Admin.	N/A	N/A	Y	N	N
509	2	Admin.	N/A	N/A	Y	N	Y
512	2	Dining Facility	145	DHW	Y	?	Y
514	2	Barracks	126	DHW	Y	Y	N
515	2	Barracks	123	DHW	Y	N	Y
516	2	Barracks	145	DHW	Y	?	Y
517	2	Barracks	175	DHW	LOCKED		
518	2	Barracks	183	DHW	Y	?	Y
520	2	Admin.	N/A	N/A	Y	N	Y
521	2	Admin.	N/A	N/A	Y	Y	N
522	2	Admin.	N/A	N/A	Y	Y	N
523	2	Admin.	N/A	N/A	Y	N	N
524	2	Admin.	N/A	N/A	Y	N	N
525	2	Admin.	N/A	N/A	Y	Y	N

HTW Study

Mechanical Rooms Survey - Summary

Fort Stewart

Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
608	2	Fitness Center	127	DHW	Y	Y	N
610	2	Chapel	115	DHW	Y	N	N
612	2	Admin.	N/A	N/A	Y	Y	Y
614	1	Admin.	N/A	N/A	Y	N	Y
616	1	Admin.	N/A	N/A	Y	N	Y
617	1	Admin.	N/A	N/A	Y	N	N
618	1	Admin.	N/A	N/A	Y	N	N
619	1	Admin.	N/A	N/A	Y	N	N
620	1	Admin.	112	DHW	Y	N	N
621	1	Admin.	91	DHW	Y	N	N
622	1	Admin.	85	DHW	Y	N	N
623	1	Admin.	109	DHW	Y	N	Y
624	1	Admin.	109	DHW	Y	N	Y
626	1	Dining Facility	145	DHW	Y	N	N
628	1	Admin.	N/A	N/A	Y	Y	N
629	1	Barracks	160	DHW	Y	?	Y
630	1	Barracks	117	DHW	Y	N	Y
631	1	Barracks	142	DHW	Y	Y	Y
632	1	Barracks	160	DHW	Y	N	Y
633	1	Barracks	128	DHW	Y	Y	Y
634	1	Barracks	LOCKED	LOCKED	Y	N	N
635	1	Barracks	140	DHW	Y	Y	N
636	1	Barracks	138	DHW	Y	Y	Y
637	1	Barracks	158	DHW	Y	N	N
638	1	Admin.	N/A	N/A	Y	N	Y
639	1	Admin.	N/A	N/A	Y	Y	N
640	1	Admin.	N/A	N/A	Y	N	N
641	1	Admin.	N/A	N/A	Y	N	N
642	1	Dining Facility	154	DHW	Y	N	Y
643	1	Admin.	N/A	N/A	Y	Y	N
644	1	Admin.	N/A	N/A	Y	Y	N
645	1	Admin.	N/A	N/A	Y	N	N
646	1	Admin.	N/A	N/A	Y	N	N
647	1	Admin.	N/A	N/A	Y	Y	N
648	1	Admin.	N/A	N/A	Y	N	Y
649	1	Admin.	N/A	N/A	Y	N	N

HTW Study

Mechanical Rooms Survey - Summary

Fort Stewart

Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
701	1	Health Clinic	152	DHW	Y	Y	N
702	1	Ent. Center	143	DHW	Y	N	N
703	1	Enl. Mens Club	N/A	N/A	LOCKED		Y
704	1	Theater	N/A	N/A	Y	N	Y
706	1	Branch Exchange	N/A	N/A	Y	N	Y
708	1	Fitness Center	131	DHW	Y	N	Y
710	1	Admin.	N/A	N/A	Y	N	Y
712	1	Barracks	135	DHW	Y	N	Y
713	1	Barracks	133	DHW	Y	N	Y
714	1	Barracks	137	DHW	Y	N	Y
715	1	Barracks	135	DHW	Y	Y	N
717	1	Barracks	131	DHW	Y	N	N
718	1	Barracks	124	DHW	Y	Y	Y
719	1	Barracks	112	DHW	Y	Y	N
720	1	Barracks	130	DHW	Y	N	Y
721	1	Admin.	N/A	N/A	Y	N	N
722	1	Admin.	N/A	N/A	Y	Y	Y
723	1	Admin.	N/A	N/A	Y	N	N
724	1	Admin.	N/A	N/A	Y	N	N
725	1	Admin.	N/A	N/A	Y	N	N
726	1	Dining Facility	158	DHW	Y	N	Y
727	N/A	Training Facility	N/A	N/A	Y	N/A	N
728	1	Admin.	N/A	N/A	Y	Y	N
810	1	Barracks	131	DHW	Y	N	N
811	1	Admin.	N/A	N/A	Y	N	N
812	1	Admin.	N/A	N/A	Y	N	N
813	1	Admin.	N/A	N/A	Y	N	N
814	1	Admin.	N/A	N/A	Y	N	Y
815	1	Admin.	N/A	N/A	Y	N	N
816	1	Admin.	N/A	N/A	Y	N	Y
818	1	Admin.	N/A	N/A	Y	N	N
819	1	Admin.	N/A	N/A	Y	Y	N

HTW Study

Mechanical Rooms Survey - Summary

Fort Stewart

Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
1160	3	D.S. Maint Fac	N/A	N/A	Y	Y	N
1170	3	G.S. Maint Fac	N/A	N/A	Y	N	N
1208	1	Tac Equip Shop	N/A	N/A	Y	N	Y
1209	1	Tac Equip Shop	N/A	N/A	Y	N	N
1211	1	Tac Equip Shop	N/A	N/A	Y	N	N
1245	N/A	Tac Equip Shop	N/A	N/A	Y	N/A	Y
1259	1	Tac Equip Shop	N/A	N/A	Y	Y	N
1261	2	Tac Equip Shop	N/A	N/A	N		
1265	2	Tac Equip Shop	N/A	N/A	Y	N	N
1280	N/A	Tac Equip Shop	N/A	N/A	Y	N/A	Y
1320	2	Tac Equip Shop	N/A	N/A	Y	N	N
1330	2	Tac Equip Shop	N/A	N/A	Y	Y	N
1340	2	Tac Equip Shop	N/A	N/A	Y	N	N
1412		C. Energy Plant	N/A	HTW	Y	Y	
1500	3	Div Logis Fac	N/A	N/A	w/ 1509?		
1503	3	Auto Hobby Shop	N/A	N/A	LOCKED		
1509	3	Div Logis Fac	N/A	N/A	Y	Y	Y
1510	3	Tac Equip Shop	N/A	N/A	N		
1540	3	Tac Equip Shop	95	PW	N		
1720	2	D.S. Maint Fac	148	DHW	Y	N-N/A	N
1810	2	Tac Equip Shop	N/A	N/A	N		
1820	2	Tac Equip Shop	N/A	N/A	Y	N-N/A	N
1840	2	Tac Equip Shop	N/A	N/A	Y	N	Y
2115	1	Dental Clinic	N/A	N/A	Y	N	N
2125	1	Chapel	120	DHW	Y	N	N
3001	S	S. Energy Plant	N/A	N/A	Y	Y	
3002	S	Admin.	N/A	N/A	Y	Y	N
4502	S	Tac Equip Shop	N/A	N/A	N		
4528	S	Tac Equip Shop	N/A	N/A	N		
4577	S	Tac Equip Shop	N/A	N/A	N		
4578	S	Tac Equip Shop	N/A	N/A	N		
TOTALS		140			127	42	41

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 206

2. Building Name: TARO Learning Center (converted living hall)

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Men's Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 80 °F

6. Other observations or notes:

Hot water converter valved off

CW pump leaking

* HTWS leaking steam and ~⅔ cup / 2min from entrance to steam generator

INITIALS: PAA; DATE: 10/4/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: ~~2255~~ 207

2. Building Name: Dining Hall

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Men's Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 124 °F

6. Other observations or notes:

   Mech. Rm. – No leaks

INITIALS: BA ; DATE: 10/4/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 208

2. Building Name: Gym

3. HTW Zone No.: 1 ___; 2N ___; 2S ___; 3 ✓; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Men's Locker Rm #2

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 103 °F

6. Other observations or notes:

* ~ 1 drop / 10 sec from HTWS valve where it goes to ht exchanger on the left.

INITIALS: BA ; DATE: 10/4/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 211

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: HQ/Admin Mens Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* HTWS valve stem leaking steam + about 3 drops/sec HTW. Valve just above floor where HTW risers com.

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 212

2. Building Name: Sewing School / Admin Converted Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D113
   - Room Name: Restroom in Sewing Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 131 °F

6. Other observations or notes:

   Slow drain (sink)

   M.E. Rm. — No Leaks

INITIALS: BM ; DATE: 10/4/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 213

2. Building Name: Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D113
   - Room Name: Janitor's Closet

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 120 °F

6. Other observations or notes:

   M.E. Rm. - No Leaks

INITIALS: [illegible]; DATE: 10/4/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 215

2. Building Name: Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D-2
   - Room Name: Restroom-Male

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 137 °F

6. Other observations or notes:

* Mech. Rm.: HW at Heat exchanger for HW6 is leaking. Flow badly; I took a 1 min sample, did not get all of leak in sample, other drips and steam present. Sample was ~1.5 cups/min

12/1/05 this leak has been fixed.

INITIALS: mtt ; DATE: 10-4

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 216

2. Building Name: Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D-?
   - Room Name: Laundry Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 110 °F

6. Other observations or notes:

Mech. Rm. OK.

* Heat exchanger flange at HWG is leaking at about 20 drops/30 secs

INITIALS: wtt ; DATE: 10-4

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 217

2. Building Name: HQ / Admin

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* - Leaking valve stem on HTWR valve just above enclosure to floor. ~ 1 drop / 3 sec

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 218

2. Building Name: Barracks

3. HTW Zone No.: 1 ___; 2N ___; 2S ___; 3 ✓; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: D-?
   - Room Name: Laundry Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 124 °F

6. Other observations or notes:
   - Valve pit between 218 & 217 - OK no leaks
   - DHW leaking badly at circ. pump - in mech rm.

INITIALS: wtt ; DATE: 10-4

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 223

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: mech

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* HTW's valve stem leaking (located near door where HTW enters bldg.) ~ 1 drop / 6 sec

INITIALS: ____; DATE: ____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 224

2. Building Name: HQ / Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: —
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* HTW leaking at heat exchanger - measured about 5 2/3 cups per minute + a fair amount of steam

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 225

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   M.E. Rm. - No Leaks

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 230

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 241

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 260

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 270

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Equip

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* ~1 drop/5 sec HTW leaking from valve above HTW entrance to room

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 302

2. Building Name: Hospital

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: DR#1F06
   - Room Name: Mens Locker Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 137 °F

6. Other observations or notes:

- Mixing valve is not working on DHW, should send 105° to bathrooms + 145°F to kitchen.
- HWG's (2) set ~ 140°F
- Steam Gen. read ~ 53 psi steam
- No HTW leaks in Bldg 350

INITIALS: wtt ; DATE: 10-4

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 403

2. Building Name: Child Care Center

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ____ N/A

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/R °F

6. Other observations or notes:
   - NG Hot water heater & NG Fired HW boiler for HVAC
   - Condensate leak From CHW coil pan
   - AHU Filters are very dirty
   - Map shows HTW lines but they do not come in the bldg.

INITIALS: WH; DATE: 10-4

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1439

2. Building Name: Phy. Fitness Center

3. HTW Zone No.: 1 ____; 2N ____; 2S ~~____~~; 3 ____; SEP ____ N/A

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 139 °F

6. Other observations or notes:

   - Natural gas DHW & space heating
   - No water leaks

INITIALS: WH ; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 440

2. Building Name: Dental Clinic #1

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: —
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 114 °F

6. Other observations or notes:

1/17/96 - DHW6 has no leaks, temp gage reads ~ 116° F, no water from relief valve. Leak in Ht. ex. is not likely

INITIALS: [illegible]; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 501

2. Building Name: Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: H153
   - Room Name: Men's Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 134 °F

6. Other observations or notes:

* Mech Rm
HTW valve stem leaking ~ 1 drop / 3 sec - valve in line ~~of~~ between HWR + HVAC ht ex

INITIALS: [illegible]; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 503

2. Building Name: Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D153
   - Room Name: Men's Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 122 °F

6. Other observations or notes:

Men Rm:
- HTW leaking at HWG heat exchanger flange - leak measured at ~ 1/2 cup / 2 min
- HTWR flange leaking steam where it enters men's Room (just above floor).

INITIALS: [signature]; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 504

2. Building Name: Barracks

3. HTW Zone No.: 1 ___; 2N ___; 2S ✓; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: D153
   - Room Name: Restroom - Mens

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 158 °F

6. Other observations or notes:

water temp. started dropping after ~2 min

Valve pit next to 504 - no leaks, sump pump not working

Mech Rm - shut off value for ~~HTW~~ HTW return from DHWG is leaking - measured Leak Flow for ~1 min in sample water → 0.75 cup/min

12/1/95

leak fixed

INITIALS: WTT; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 506

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No HTW Leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 507

2. Building Name: Admin

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Equip

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   * HTW supply valve stem leaking ~ 1 drop/sec, just above floor where HTW enters room.

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 508

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Medi-Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No HTW Leaks

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 509

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   Small chilled water leak.

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 512

2. Building Name: DINING FACILITY

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: —
   - Room Name: KITCHEN SINK NEAR MGR'S OFFICE

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 145 °F

6. Other observations or notes:

   11 psi ON REBOILER - 135°F ON VERTICAL TANK

   * - 1¾ cup /90 sec. leak from HWG heat exchanger flange, water is not very hot, may be pot. water.

   - Small stream of condensate leaking from "Tee" fitting behind condensate tank - not HTW.

INITIALS: GWF; DATE: 10-3

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 514

2. Building Name: Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D-7
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 126 °F

6. Other observations or notes:

* Mech. Rm.
Flange at HWG is leaking steam and ~ 1drop/4sec HTW

INITIALS: WH ; DATE: 10-2

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 515

2. Building Name: Barracks

3. HTW Zone No.: 1 ___; 2N ___; 2S ✓; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: D ?
   - Room Name: Restroom-Mens

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 123 °F

6. Other observations or notes:

   DHW circ pump is leaking - HW on bldg. side

INITIALS: WH ; DATE: 10-2

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 516

2. Building Name: Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D-____
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 145+°F

6. Other observations or notes:

Mech Rm.
- HWR overflow leaking from top of tank at ~1/2 cup / 5 sec intermittently
Water temp is ~105°F

INITIALS: wtt ; DATE: 10-2

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 517

2. Building Name: Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D-7.
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 175 °F

6. Other observations or notes:

- Mech. room locked, looked through window, valve closed no overflow. Lock does not open with standard mech. rm. key. No leaks visible at HWG.

INITIALS: WTT ; DATE: 10-2

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 518

2. Building Name: Barracks

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D 153
   - Room Name: Restroom-Mens

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 183+ °F

6. Other observations or notes:

~ 1/2 gpm of 190+ water flowing from the overflow of the HWG. Control valve read "closed".

~ 1/4 cup / 5 sec + some spillage (say 1/2 cup / min)

* ~ 10d / 3 sec from HWG Ht ex Flange

INITIALS: wtt ; DATE: 10-2

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 520

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   Small Chilled water leak

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 521

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* ~ 1drop/2 sec HTW leak from valve stem on HTWS where it enters the room.

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 522

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* ~1 drop/4 sec HTW leak from valve stem on HTW supply line where it enters the room.

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 523

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No HTW leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 524

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No HTW leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 525

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* ~ 1 drop / 11 sec HTW leak from valve stem on HTWR line where it enters the room.

Valve crank is also broken off.

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 605

2. Building Name: Gym

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: 1ST FLOOR men's Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 127 °F

6. Other observations or notes:

Mech. Room:

* HTWR leak from control valve stem ~ 5d/min

INITIALS: GWF; DATE: 10-3

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 610

2. Building Name: Chapel

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: 115
   - Room Name: Restroom - Mens

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 115 °F

6. Other observations or notes:
   Mech. Rm. has door lock. - No leaks

INITIALS: wtt ; DATE: 10-4

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 612

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ✓; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* HTWA leak from control valve stem ~ 5d/min

- Bldg. side leak at circ. pump ~ 1d/min

- " " HW leak at valve ~ 1d/2min

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 614

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   AHU is leaking large amount of air

   No water leaks

INITIALS: ____; DATE: ____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 616

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   - HVAC HW leak from relief valve on ht. ex. shell ~ 1d/min

   - O.B. fan bearing on AHU is noisy

INITIALS: ____; DATE: ____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 617

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mechanical Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   Door locked - Used knife

   No leaks

INITIALS: ____; DATE: ____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 618

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

   AHU Fan belts are loose

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 619

2. Building Name: Admin

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Medi. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 620

2. Building Name: 61 ASSISTANT GENERAL / INSTALLATION CHAPLAIN

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: 124
   - Room Name: MAINT/BREAK ROOM

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 112 °F

6. Other observations or notes:
   2 HOT WATER TANKS - ONE IN SERVICE - ONE OUT OF SERVICE (CONTROL VALVE CLOSED)

INITIALS: GWF ; DATE: 10-3

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 621

2. Building Name: DIR of RESOURCE MGT. / INT. REVIEW / FINANCE

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: FIRST FLOOR BREAK ROOM / VENDING MACH.
   - Room Name: —

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 91 °F

6. Other observations or notes:

   BROKEN HASP ON DOOR
   2 HOT WATER TANKS - ONE IN SERVICE - ONE OUT OF SERVICE. IN SERVICE HEATER IS VALVED OFF. OUT OF SERVICE HEATER IS MISSING TEMP CONTROL VALVE.

INITIALS: GWF ; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 622

2. Building Name: DIR. of CONTRACTING

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: 146
   - Room Name: MEN's Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 85 °F

6. Other observations or notes:

   HOT WATER SYSTEM OFF. CIRC. PUMP off.

INITIALS: GWF; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 623

2. Building Name: ALCOHOL & DRUG ABUSE

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: — NO NUMBER
   - Room Name: 1ST FLOOR Men's Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 109 °F

6. Other observations or notes:

   2 HOT WATER TANKS - ONE OUT OF SERVICE - ONE IN SERVICE - CIRC PUMP LEAKING

INITIALS: GWF; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 624

2. Building Name: Volunteer Family Support Group

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: ___
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 84 °F

6. Other observations or notes:

   No access to mech. room - No hot water

   M.R. locked - used knife

   - No HTW leaks
   - Condensate storage tank leak in corner ~5-10 d/sec
   - Bldg. side steam leak

INITIALS: GWF ; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 626

2. Building Name: 1ST BRIG. DINING FACIL.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: KITCHEN SINK
   - Room Name: ____

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 145 °F

6. Other observations or notes:

   10 psig DRUM PRES. - LEVEL IN GLASS. 1/2 FULL

INITIALS: GWF; DATE: 10-3

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 628

2. Building Name: Liberty Brigade - Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   - Electric DHW heater

   * - ~ 1 drop / 5 sec HTW leak from control valve on HTWR line from HVAC heat exchanger

INITIALS: ____; DATE: ____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 629

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: ___
   - Room Name: Men's Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 160 °F

6. Other observations or notes:

Mech. Room:

- 211+ °F HW leaking from relief valve/drain on HVAC heat ex. shell ~ ½+ cup/5 sec = 6 cup/min

- Small CHW leak where pipes enter floor

INITIALS: [illegible]; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 630

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Men's Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 117 °F

6. Other observations or notes:

Mech. Rm.:

- Hot water leak from relief valve/drain on shell of HVAC heat ex. ~2d/10sec

- Bldg. side HW leak from air separator drain valve ~2d/55sec

INITIALS: ____; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 631

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D-7
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 142°F

6. Other observations or notes:

* - 0.55 cup/min HTW from HWG control valve stem.

* - 1/3 cup/min HTW from HWG heat ex. Flange.

- Also has water leak on HVAC side of ht. ex.

INITIALS: MH ; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 637

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: B-7
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 160+ °F

6. Other observations or notes:

   Washers running, restroom DHW pressure was very low - press. in laundry sink was good

   Mech. Rm. no HW leaks, insulation missing on about 4'x4' area of DHW generator.

   Small potable water leak

INITIALS: wtt ; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 633

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D-?
   - Room Name: Laundry Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 128 °F

6. Other observations or notes:

* ~ 2 drops/sec HTW from HWG ht. ex. flange, not too hot and no steam - may be pot. water.

- Leak on HVAC side of ht. ex. - relief valve is passing some water.

INITIALS: WH ; DATE: 10-3

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 634

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: _____

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: _____°F

6. Other observations or notes:

   Door locked to Laundry / Restroom area

   Mech. Room: No leaks

INITIALS: [illegible]; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 635

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 140 °F

6. Other observations or notes:

   Mech. Room:

   * Steam and ~ 10 d/17 sec. leaking from heat ex. flange on DHW generator

INITIALS: [illegible]; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 636

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Laundry Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 138 °F

6. Other observations or notes:

Mech. Room:

* HTWS leak from valve stem of 2nd valve after HTW enters floor. ~ 1d/5 sec + 1d/60 sec + some steam

- DHW leak from DHWG drain pipe ~ 10-20 d/sec

INITIALS: [illegible]; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 637

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Men's Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 158 °F

6. Other observations or notes:

   Mech. Room - No leaks

INITIALS: [illegible]; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 638

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

HVAC circ pump dripping at 2 flange connections ~ 3 drops / 10 sec

INITIALS: ____; DATE: ____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 639

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: _____°F

6. Other observations or notes:

   * Steam and ~ 10 drops / 18 sec HTW leaking from 1st HTWS valve stem to HVAC ht. ex.

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 640

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 641

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: ____; DATE: ____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 642

2. Building Name: Mess Hall ~~1st Sgt's Quarters~~

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: ___
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 154+ °F

6. Other observations or notes:

Valve pit between bldgs 630 & 640; slight steam and drip from conduit vents (side facing #635)
Valve pit between 642 & 632, no steam or drips
Pit next to 649 - no leaks
Mech. Rm. - No major leaks of HTW or steam
DHW supply line leaking From top of DHWG tank ~ 5dl/sec
Pit at north corner of #635 - no leaks

INITIALS: wtt ; DATE: 10-3

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 643

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* ~ 1 drop/10 sec HTW leak from HTWS valve stem at HVAC heat exchanger.

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 644

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Medl. Equip

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* ~ 1 drop / 3 sec HTW + steam leak from HTW valve stem

~ 1 1/8 cup/min leak from relief valve/drain line from HVAC heat ex.

INITIALS: ____; DATE: ____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 645

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No HTW leaks

   No other leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 646

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No HTW leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 647

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* ~ 1 drop / 5 sec leak from HTWS valve stem at HVAC heat exchanger.

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 648

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:
   - Leak on HVAC hot water side - relief valve is passing some water

INITIALS: ____; DATE: ____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 649

2. Building Name: Admin

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Equip.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No HTW leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 701

2. Building Name: Health Clinic #1

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: _____

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 152 °F

6. Other observations or notes:

MR. LOCKED → Used knife to get in

* 1d/s HTW leak from control valve stem

* Missing pipe insulation

INITIALS: [illegible]; DATE: 10/5/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 702

2. Building Name: ~~Enlisted Men's Club~~ (Music/Ent. Center)

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Men's Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 143 °F

6. Other observations or notes:

   Locked

   No leaks

INITIALS: SA ; DATE: 10/3/05

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 703

2. Building Name: Enlisted Mens Club

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: _____

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: _____°F

6. Other observations or notes:

   - Mech. Room Locked

   - Noticeable natural gas leak at meter on east side of building

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 704

2. Building Name: Theatre

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: _____

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: _____°F

6. Other observations or notes:

Elec. water heater

- Relief valve for chilled water is leaking
- AHU Belts are loose
- Lights tubes are burnt out

INITIALS: [illegible]; DATE: 10/3/05

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 706

2. Building Name: Branch Exchange

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:
   - Bldg. side HW leak at circ pump shaft ~2-3 g/s

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 708

2. Building Name: ~~Barracks~~ Gym / Fitness Center

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mens Locker Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 131 °F

6. Other observations or notes:

   - No HTW leaks

   - North LPHW heat ex. R.Valve leaking ~ 5 d/s

   - DHW storage tank R.Valve leaking ~ 1 cup/min

INITIALS: WH ; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 710

2. Building Name: Admin. / H.Q.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: _____

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:
   - Chilled water leak ~ 2d/minute

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 712

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: D-?
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 135 °F

6. Other observations or notes:

Valve pit between 712 & 717 - no leaks
" " " 717 & 720 - no leaks

Mech Room:
Slight leak from chilled water supply valve where pipe enters at floor

INITIALS: wtl ; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 713

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: D-7
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 133 °F

6. Other observations or notes:

   Mech Room:

   - Slight bldg. side leak from air separator tank drain valve; not HTW

INITIALS: wtt ; DATE: 10-3

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 714

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D-7
   - Room Name: Restroom - men

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 137 °F

6. Other observations or notes:

Mech. Room:

Slight leak from air separator drain valve; not HTW

INITIALS: ____; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 715

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: D-7
   - Room Name: Restroom / Storage

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 135 °F

6. Other observations or notes:

Mech. Rm.:

* HTW leak from HTWR control valve at DHW Generator ~ 1 d/5 sec

INITIALS: wtt ; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 717

2. Building Name: Barracks (DISCOM)

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Ladies Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 131 °F

6. Other observations or notes:

   No leaks in Mech. Rm.

INITIALS: [illegible]; DATE: 10/5/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 718

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Ladies Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 124 °F

6. Other observations or notes:

Mech. Room:

* 1d/10 sec HTW leak from HTWS valve stem } where pipes enter @ floor
* " " " " HTW bypass valve stem }

• ~1½ cup/min chilled water leak from control valve

INITIALS: ____; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 719

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 112 °F

6. Other observations or notes:

   Mech. Room:

   * ~ 1 d/sec HTW Leak From HVAC HTWR valve; 2nd valve down stream from control valve

INITIALS: JMA ; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 720

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: ___
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 130 °F

6. Other observations or notes:

   Mech. Rm:

   Slight DHW leak from relief valve on side of DHW generator.

INITIALS: BA ; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 721

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: mech Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: _____°F

6. Other observations or notes:

No DHW

No HTW leaks

No other leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 722

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* ~ 1 drop/sec HTW leak from bypass valve stem where pipe enters floor

~ 3d/s HW & steam leak at circ. pump to air handler(s).

* there is a control problem here or HVAC Ht. Ex. is leaking HTW. Bldg HW should not be hot enough to produce steam

INITIALS: ____; DATE: ____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 723

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks.

INITIALS: ____; DATE: ____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 724

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks.

INITIALS: ____; DATE: ____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 725

2. Building Name: Admin

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:
   - Elec DHW
   - No HTW leaks in HVAC system

INITIALS: ____; DATE: ____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 126

2. Building Name: Mess Hall - DISCOM Dining Facility

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 158 °F

6. Other observations or notes:

Mechanical Room:

- Some bldg. side HW leaks at condensate return unit - next to steam generator

- Small DHW leak at DHW circ. pump next to DHW generator.

INITIALS: [illegible]; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 727

2. Building Name: Training Facility

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ____ (N/A)

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: _____

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:
   Heat Pump space heat → NO DHW & NO HTW

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 728

2. Building Name: DISCOM - Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   Elec DHW heater

   * Steam and ~ 2 drops/sec from HTWS valve stem. Also ~ 1 drop/20 sec HTW leak from HTW Bypass valve stem both valves above where HTW enters + leaves floor

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 810

2. Building Name: Barracks

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mens Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 131 °F

6. Other observations or notes:

Steam leak in valve pit West corner of bldg

① NW Mech. Rm.: HVAC only - No leaks

② SE Mech. Rm.: DHW Gen. only - No leaks

DHWG heat ex: Richmond Engineering Co., Inc., Richmond, VA
Mfg. No. K56293, Year 1977, Des. Press = 400
Head thickness = 0.219", Head radius = 2.1
Shell " = 0.322", Tank dia. = 8.625"
Overall length = 61", National Board = 74236
INITIALS: ____; DATE: 10/3/95
Max. working temp = 400 °F

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 811

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: ____; DATE: ____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 812

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: B13

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 814

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:
   - HVAC circ. pump is leaking about 3d/s of bldg. side HW.

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 815

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 816

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   Bldg. side HW leak from drain valve ~ 1d/min

   " " " " " packing ~ 6d/min

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 818

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 819

2. Building Name: Admin.

3. HTW Zone No.: 1 ✓; 2N ___; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: ___
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* HTWR leak from valve packing ~ 4d/min
* HTW leak from bypass valve packing ~ 3d/min
* HTWS leak from valve packing ~ 1d/min

INITIALS: ___; DATE: ___

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1160

2. Building Name: D.S. Maint Facility

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech equip

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* Control valve on HTWR leaking steam and a little HTW, most evaporates before it drips

* HTWR valve above floor is leaking ~ 1d/30 sec

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1170

2. Building Name: G. S. Maint. Facility

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1208

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   ~1d/5sec from HVAC HT ex drain valve

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1209

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1211

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Rm

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1245

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ____ (N/A)

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:
   - Oil boiler for HVAC
   - Elec DHW heater
   - HVAC circ pump leaking ~~[illegible]~~ + bearings sound bad.

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1259

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* ~ 1/4 cup/min HTW leaking from HTW S supply line shut off valve tapped off of line next to HTW entrance to floor/rm

INITIALS: ____; DATE: ____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1265

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ___; 2N ✓; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1280

2. Building Name: Tac Equip Shop (Small, 3-Bay)

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ____ N/A

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

Nat gas heating, electric DHW

Relief valve is dumping a lot of heating hot water ~150°F down the drain

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1320

2. Building Name: Vehicle Maint.

3. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

- #2 Fuel oil boiler for space heating?
  Appears to have adeq. water htrs for new wing
- old mech room has HTW w/ heat exchanger for space heating - No leaks

1/13/96

INITIALS: PAT ; DATE: 10/3/95

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1330

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ___; 2N ✓; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

* 1d/8 sec HTW from HTWS valve stem above entry at floor

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1340

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1503

2. Building Name: Auto Hobby Shop

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

Closed Tues & Wed
Normal Hrs 1300 - Mon, Thurs, Fri

Mech. Room locked - No access

INITIALS: [illegible]; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1509

2. Building Name: DMMC

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

Steam from HTW condnit vent in pit behind this building. HVAC heating only? #

1/17/96 slight cHW leak from bypass valve at floor entry

* ~ 30 drops/10 sec HTW leak From HTW return valve down stream from HVAC ht ex

~2½ cmps/min HW leak From HVAC heat ex. relief values

INITIALS: wtt ; DATE: 10-3

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1510

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ___; 2N ___; 2S ___; 3 ✓; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   No DHW, Heating only. Wash racks are using portable steam cleaners

INITIALS: WH ; DATE: 10-3

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1540

2. Building Name: Motor Pool / Tac Equip Shop

3. HTW Zone No.: 1 ___; 2N ___; 2S ___; 3 ✓; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 95 °F

6. Other observations or notes:
   Electric Water Heater

INITIALS: BA ; DATE: 10/3/95

HTW Distribution System

Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1720

2. Building Name: D.S. Maintenance Facility

3. HTW Zone No.: 1 ___; 2N ✓; 2S ___; 3 ___; SEP ___

4. Locate domestic hot water faucet:
   - Room Number: ___
   - Room Name: Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 148 °F

6. Other observations or notes:

   Slow to heat.

   Mech. Room
   - Nat Gas DHW
   - Oil fired Heating boiler
   - HTW capped off at entrance, pipes are cold so probably valved off at pit.

INITIALS: SPA ; DATE: 10/3/95

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1820

2. Building Name: Trac Equip shop

3. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

HVAC heat ex valved off from HTW; A N. gas water heater is now used for HVAC; there is a small " " " for DHW.

No leaks

INITIALS: _____; DATE: _____

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 1340

2. Building Name: Tac Equip Shop

3. HTW Zone No.: 1 ____; 2N ✓; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   HVAC (LTHW) circ pump is leaking

   No HTW leaks

INITIALS: _____; DATE: _____

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 2115

2. Building Name: Dental Clinic

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mech. Room

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

   Has two elec HTW heaters

   No leaks in Mech. Rm.

INITIALS: wtt ; DATE: 10-3

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 2125

2. Building Name: Chapel

3. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____

4. Locate domestic hot water faucet:
   - Room Number: ____
   - Room Name: Mens Restroom

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: 120 °F

6. Other observations or notes:

   Also took potable (cold) water sample #2125-P

   No leaks in Mech. Rm.

INITIALS: wtt ; DATE: 10-3

HTW Distribution System Fort Stewart, GA

BUILDING HOT WATER GENERATOR SURVEY

1. Building Number: 3002

2. Building Name: Admin.

3. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓

4. Locate domestic hot water faucet:
   - Room Number: _____
   - Room Name: Mech. Rm.

   Run hot water for 1 to 2 minutes.

   Take sample of water.

   Mark building number on sample.

5. Take temperature reading of hot water: N/A °F

6. Other observations or notes:

Elec. DHW

* ~Steam flowing from HTWR flange above floor entry

* ~1 drop/min HTW leak from HTWR bypass valve (control valve bypass line)

INITIALS: _____; DATE: _____

B.3 CEP AND SEP SURVEY FORMS

PUMP P-23 / P-24

HTW Distribution System — Fort Stewart, GA

CENTRAL ENERGY PLANT SURVEY - PUMPS

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ✓; SEP ____
2. Suction Pressure: 180 psi
3. Discharge Pressure: 220 psi
4. Motor kW (Measured): PH1 = _____; PH2 = _____; PH3 = _____
5. Pump Nameplate Data:

DEAN BROTHERS PUMPS, INC., INDIANAPOLIS, IN
SIZE 4x6x10'1, MODEL R454, SERIAL 132508
910 GPM, HEAD = 300 FT, RPM = 2300

Control panel reads 2010 RPM for pump P-23
" " " 26 " " " ~~P-24~~ → Diff. pressure

6. Pump Motor Nameplate Data:

Lincoln, Dripproof, Frame - 404 TS, 125 hp, 230/460V
60 hz, LINCOLN CODE TV-3421, 3 Phase, 3495 RPM,
284/142 Amps, SF = 1.15, SERIAL # 2434710, INS. = B,
NEMA EFF = 89.5, Continous, NEMA CODE = D, NEMA DESIGN = B
BEARINGS: Radial = 6312, Thrust = 7312 BG

7. Leaks or other observations:

PEERLESS HYDROCONSTANT VARIABLE SPEED PUMP DRIVE,
MODEL 2AM09A-36125, SN # 405447

Backup pump leaks: 1 drop / 3 secs from discharge valve
1 drop / 1 sec from pump glands

INITIALS: WTT; DATE: 9-13-95

PUMP P-10 / (P-11)

HTW Distribution System

Fort Stewart, GA

CENTRAL ENERGY PLANT SURVEY - PUMPS

1. HTW Zone No.: 1 ____; 2N ✓; 2S ✓; 3 ____; SEP ____
2. Suction Pressure: 145 psi
3. Discharge Pressure: 220 psi
4. Motor kW (Measured): PH1 = _____; PH2 = _____; PH3 = _____
5. Pump Nameplate Data:

DEAN BROS. PUMPS, INC.
SIZE = 3x4x8 1/2, model R434, S# 124895, Item # P-11,
370 GPM, 260 ft Head, 3500 RPM,
Bearings: Radial 6309, Thrust 7309 BG

Control Panel reads ~ 2670 RPM for pump P-11 ?
" " 63.5 → dif pressure " " P10 ?

6. Pump Motor Nameplate Data:

GOULD / CENTURY MOTOR, Part# 6-320821-01, FRAME = 324 TS, TYPE = SC
50 HP, CODE = G, 60 HZ, 3 PH, 3540 RPM, 230/460 V,
116/58 AMPS, Continous, SF = 1.15, FORM = MCA, INS = B,
NEMA DESIGN = B, Serial Code = U9, CAT # 0609

7. Leaks or other observations:

peerless variable speed drive

Leaks: steady drip/stream from pump gland - P11
" " " " " " - P10

INITIALS: WTT; DATE: 9-13-95

P-4 / (P-5)

HTW Distribution System — Fort Stewart, GA

CENTRAL ENERGY PLANT SURVEY - PUMPS

1. HTW Zone No.: 1 ✓; 2N ____; 2S ____; 3 ____; SEP ____
2. Suction Pressure: 177 psi
3. Discharge Pressure: 245 psi
4. Motor kW (Measured): PH1 = _____; PH2 = _____; PH3 = _____
5. Pump Nameplate Data:

DEAN BROS. PUMPS, INC, SIZE 4x6x10 1
MODEL R454, S# 121621, ITEM # P-4 ?,
900 GPM, 300 Ft head, 3500 RPM
Bearings: Rad = 6312, Thrust = 7312 BG
pair? set?
Dif press = 64.7 or 55.0

6. Pump Motor Nameplate Data:

RELIANCE, FRAME = 365TS, TYPE = P, INS. CLASS = B, 100 HP,
3540 RPM, DESIGN = B, CODE = F, 460 V, 120 A, 60 HZ
SF = 1.15, CONTINUOUS, ID # P36G72C-GH-SB

7. Leaks or other observations:

PEERLESS VARIABLE SPEED DRIVE,

Leaks: 1 drop / 4 sec from pump gland of P-4

INITIALS: WTT; DATE: 9-13-95

HTW Distribution System

Fort Stewart, GA

SATELLITE ENERGY PLANT SURVEY - PUMPS

1. HTW Zone No.: 1 ____; 2N ____; 2S ____; 3 ____; SEP ✓
2. Suction Pressure: _____ psi
3. Discharge Pressure: 210 psig
4. Motor kW (Measured): PH1 = _____; PH2 = _____; PH3 = _____
5. Pump Nameplate Data:

   Mfg. by Dean Bros.; Size: 4x6x10 / R454
   Serial No: 142716; 885 GPM; 300 Ft Hd, 3500 RPM
   Sp. Gravity = 0.859
   SPEED REDUCER: Mfg by Peerless
   output shaft speed = 310 RPM

6. Pump Motor Nameplate Data:

   Frame: 404 TS
   HP: 125
   Volts: 230/460
   Amps: 284/142
   S.F.: 1.15
   Speed: 3495 RPM

7. Leaks or other observations:

   Pump need insulation
   Pump. disc. press = 210 psig
   Pump inlet temp = 380 °F

INITIALS: GF; DATE: _____

MET PRO CORPORATION **Dean Pump Division**
P.O. BOX 68172, INDIANAPOLIS, IN 46268-0172, (317) 293-2930. FAX (317) 297-7028 MARKETING/ENGINEERING

FACSIMILE MESSAGE COVER SHEET

DATE: 9-15-95

TO: BILL TODD
R.S. & H

FROM: JEFF FISHEL

THIS MESSAGE IS: ROUTINE (X) URGENT ( ) PAGES (4)

BILL,

HERE ARE CURVES,

CALL WITH QUESTIONS,

BEST REGARDS,
JEFF FISHEL

ESTABLISHED 1869

DEAN BROTHERS PUMPS INC.

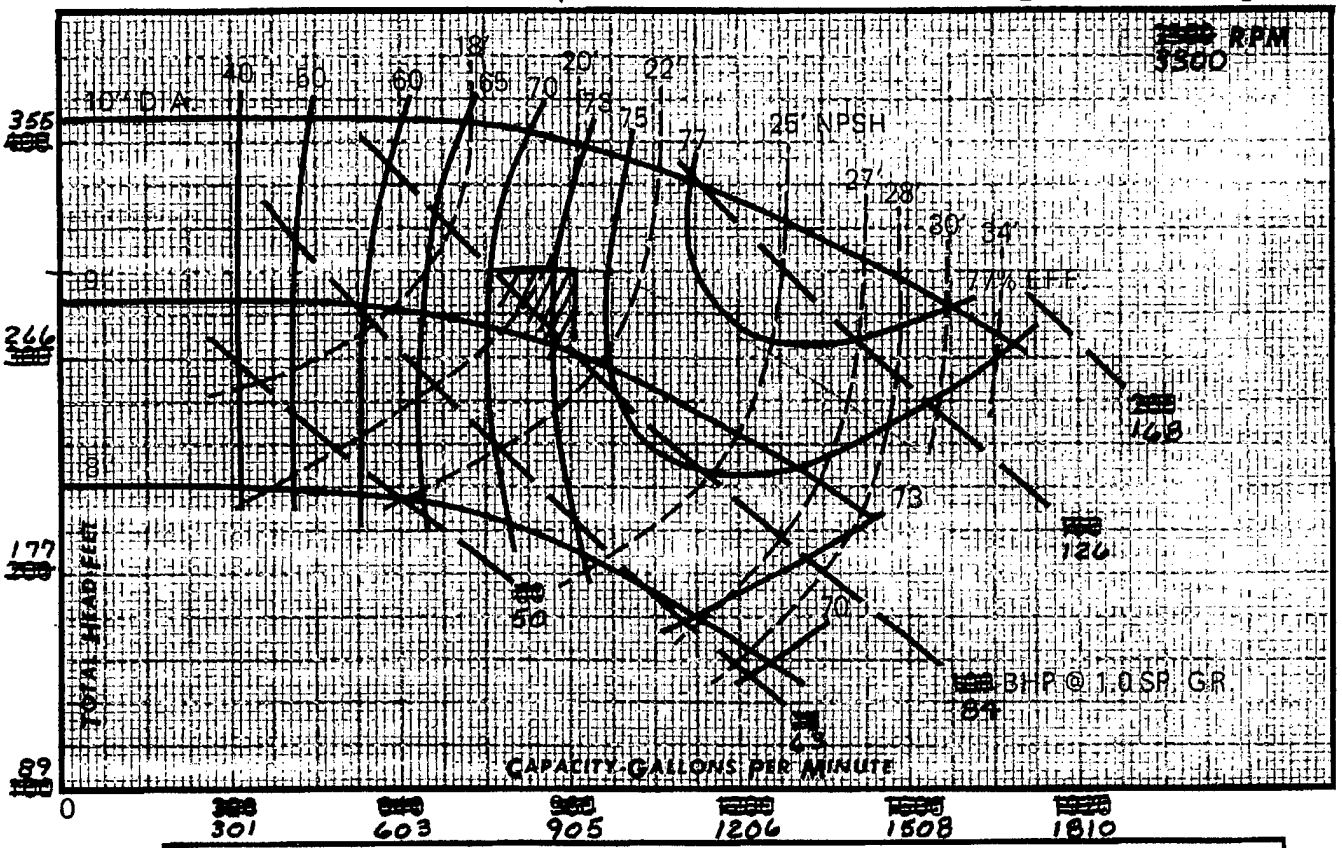
INDIANAPOLIS INDIANA

CENTRIFUGAL PUMP PERFORMANCE DATA: CURVE R-40100-A1 SPECIAL

PUMP SIZE: 4" x 6" x 10"

PUMP TYPE: R454

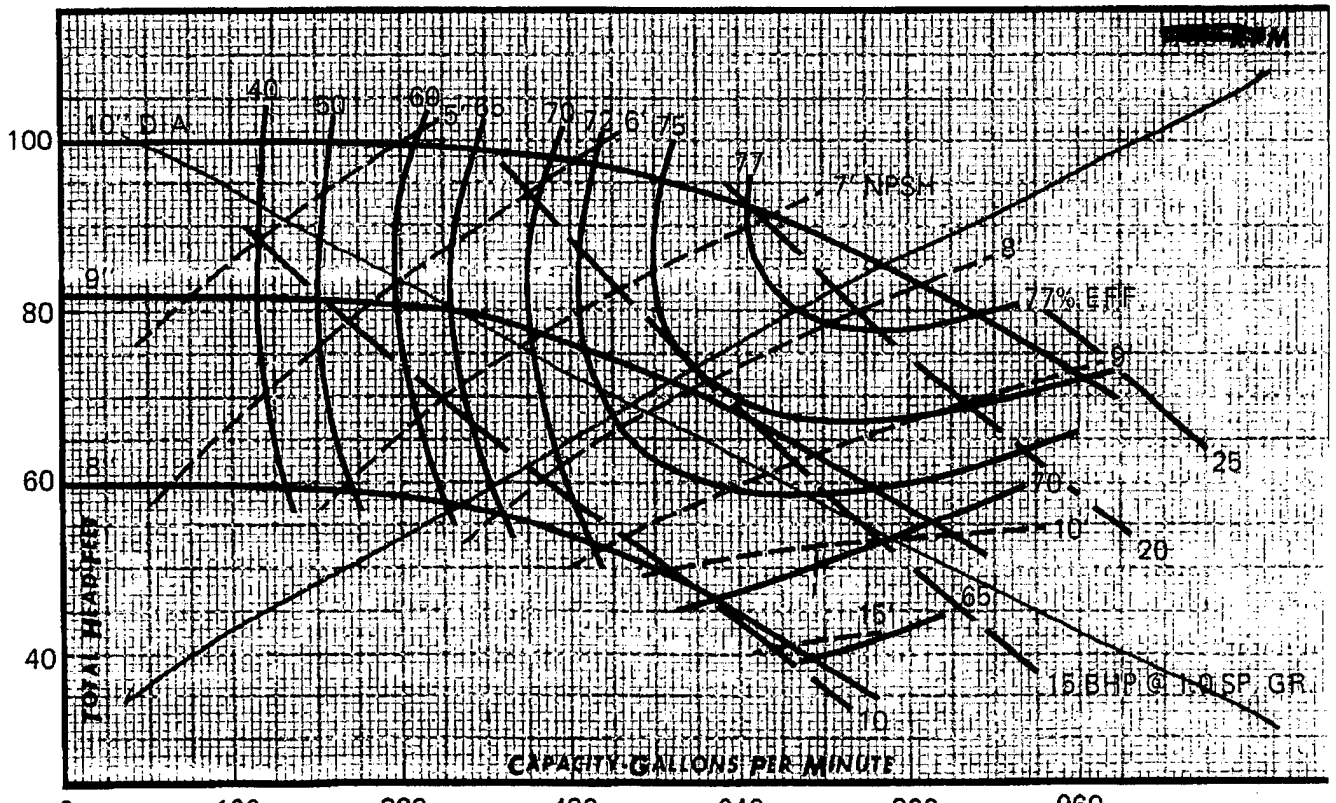
4" **DISCHARGE X** 6" **SUCTION**



CUSTOMER PYE-BARKER SUPPLY CO.

CUSTOMER'S ORDER No. 10811 ITEM No.

DEAN BROTHERS PUMP SERIAL NO. 132507-8 FACTORY ORDER NO. 19219



PUMP PERFORMANCE: This curve, based on extensive tests, defines the average performance of this pump for liquids having a viscosity of 70 SSU or less. Actual performance of individual units may differ slightly from the performance indicated on this curve. Pump applications made from the data contained herein are subject to confirmation and acceptance by our Engineering Department at our Indianapolis Office.

APPROVED BY J.W.R. **DATE ISSUED** 12/30/75 **CURVE** R-40100-A1

ESTABLISHED 1869

DEAN BROTHERS PUMPS INC.

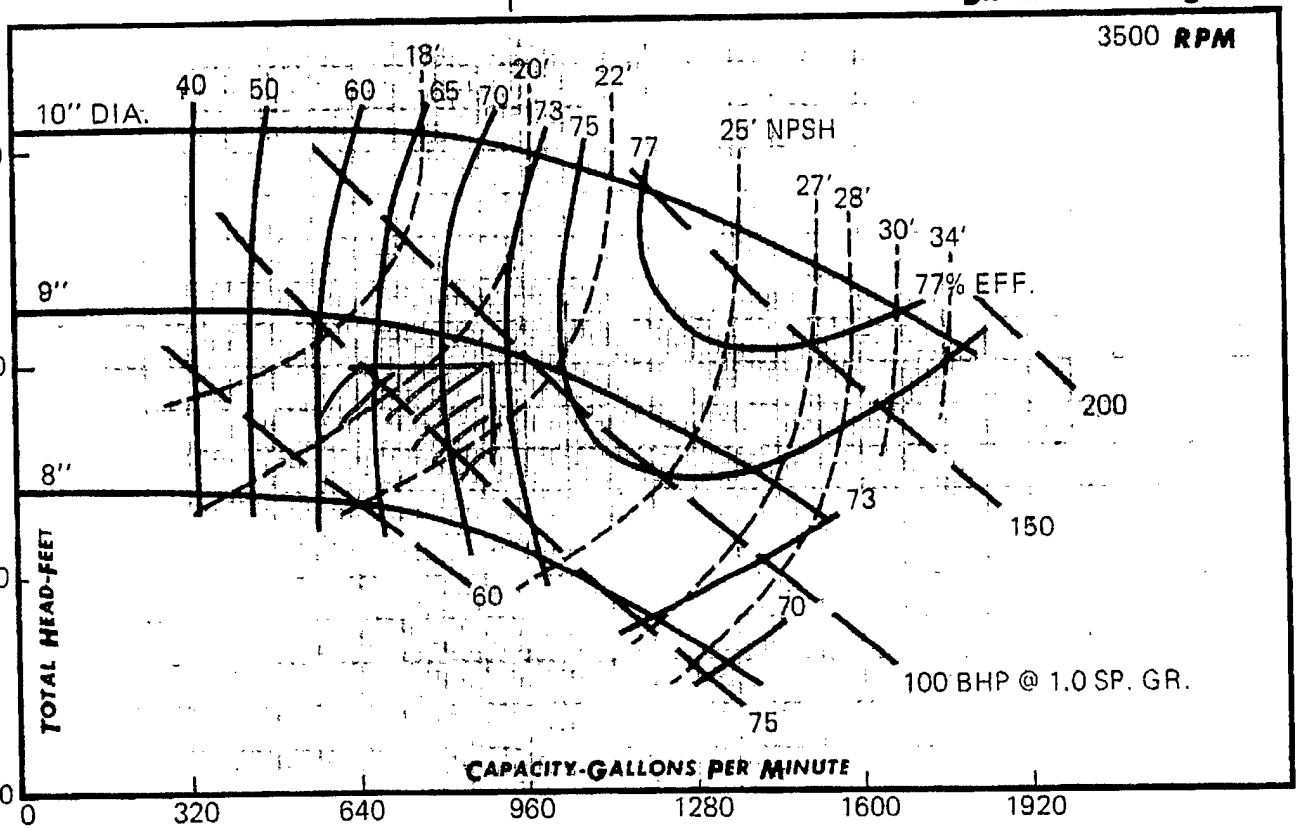
INDIANAPOLIS INDIANA

CENTRIFUGAL PUMP PERFORMANCE DATA: CURVE R-40100 A1

PUMP SIZE: 4" x 6" x 10"

PUMP TYPE: R454

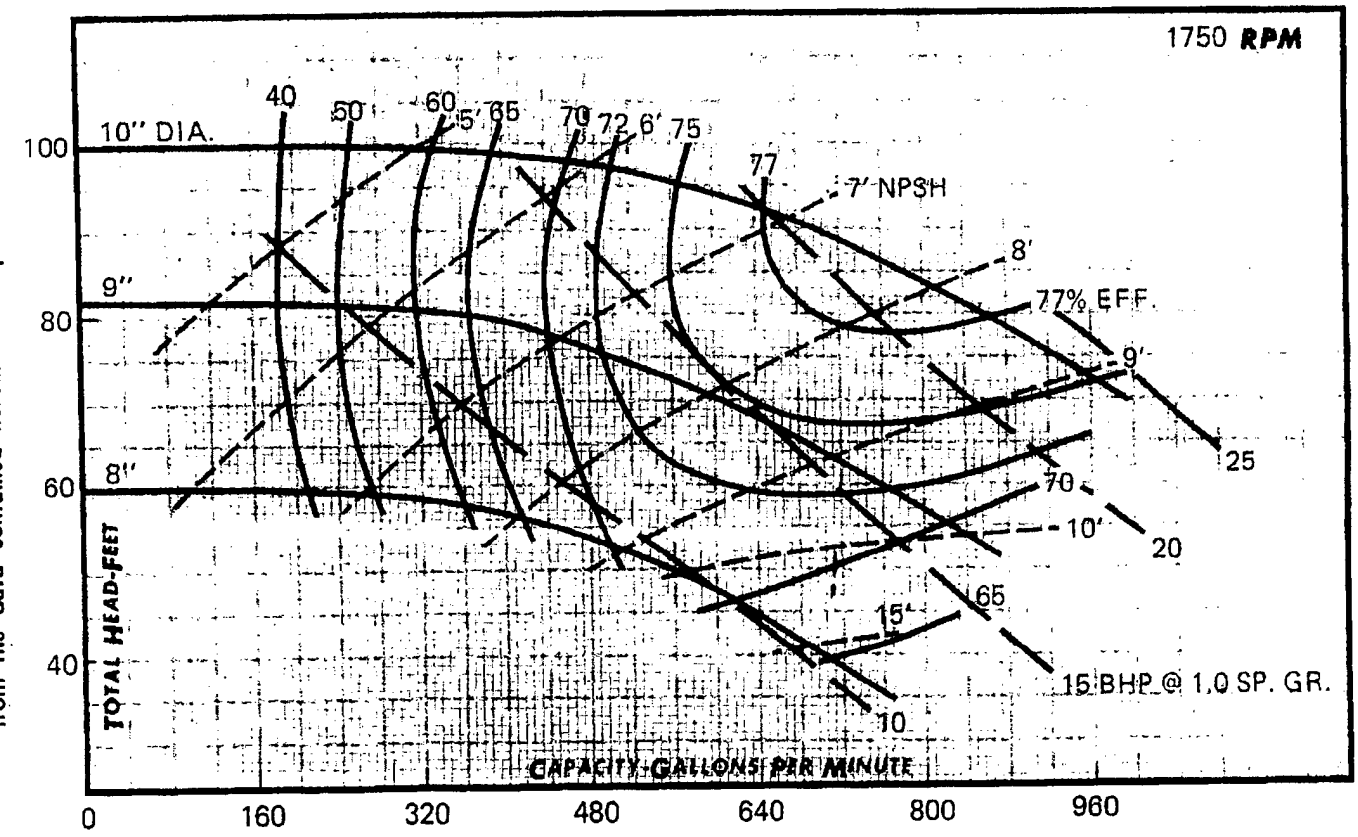
4" **DISCHARGE** x 6" **SUCTION**



CUSTOMER E.D. GREEN CORP

CUSTOMER'S ORDER No. XS-012776 ITEM No. P44P-5

DEAN BROTHERS PUMP SERIAL NO. 121621-2 FACTORY ORDER NO. 10006



PUMP PERFORMANCE: This curve, based on extensive tests, defines the average performance of this pump for liquids having a viscosity of 70 SSU or less. Actual performance of individual units may differ slightly from the performance indicated on this curve. Pump applications made from the data contained herein are subject to confirmation and acceptance by our Engineering Department at our Indianapolis Office.

APPROVED BY J.W.R. **DATE ISSUED** 12/30/75 **CURVE** R-40100-A1

ESTABLISHED 1869

DEAN BROTHERS PUMPS INC.

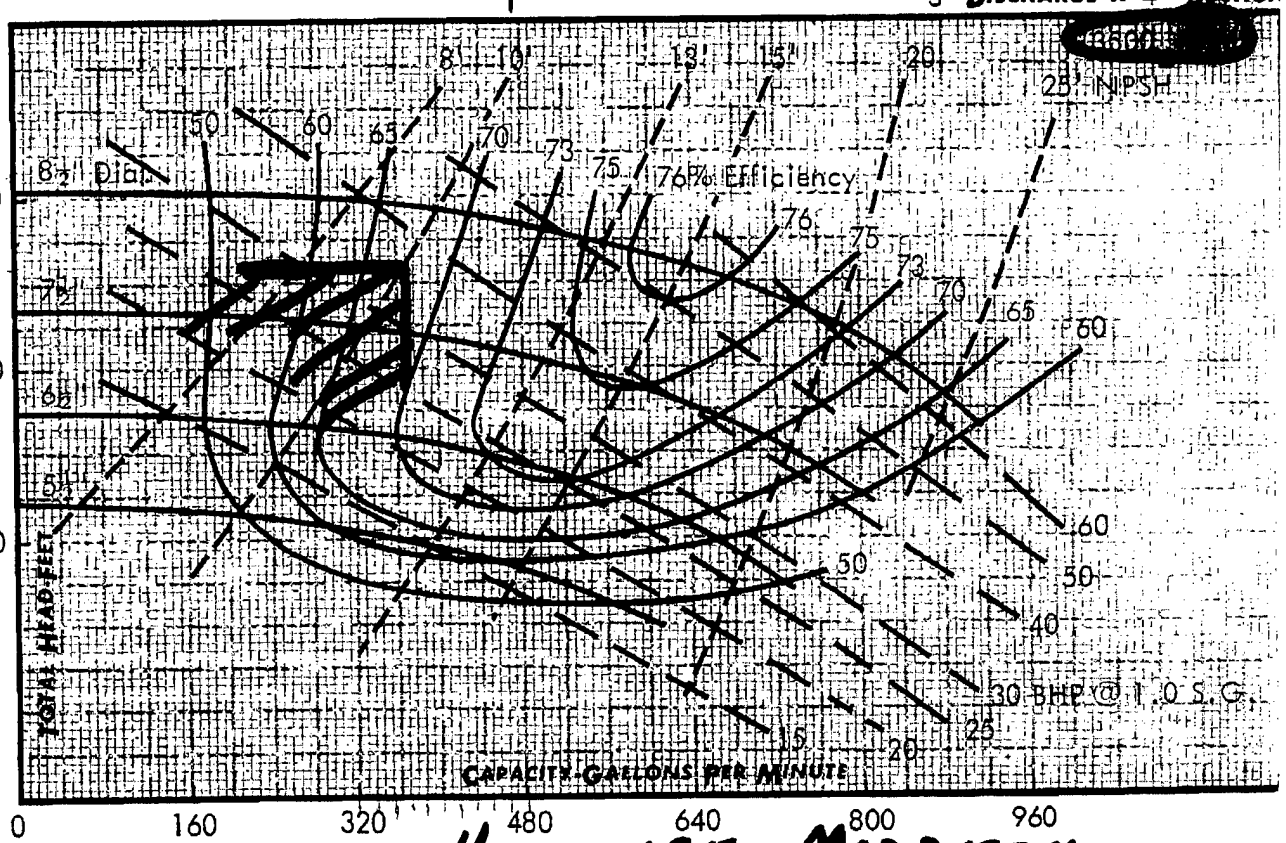
INDIANAPOLIS INDIANA.

CENTRIFUGAL PUMP PERFORMANCE DATA: CURVE R 3085-A1

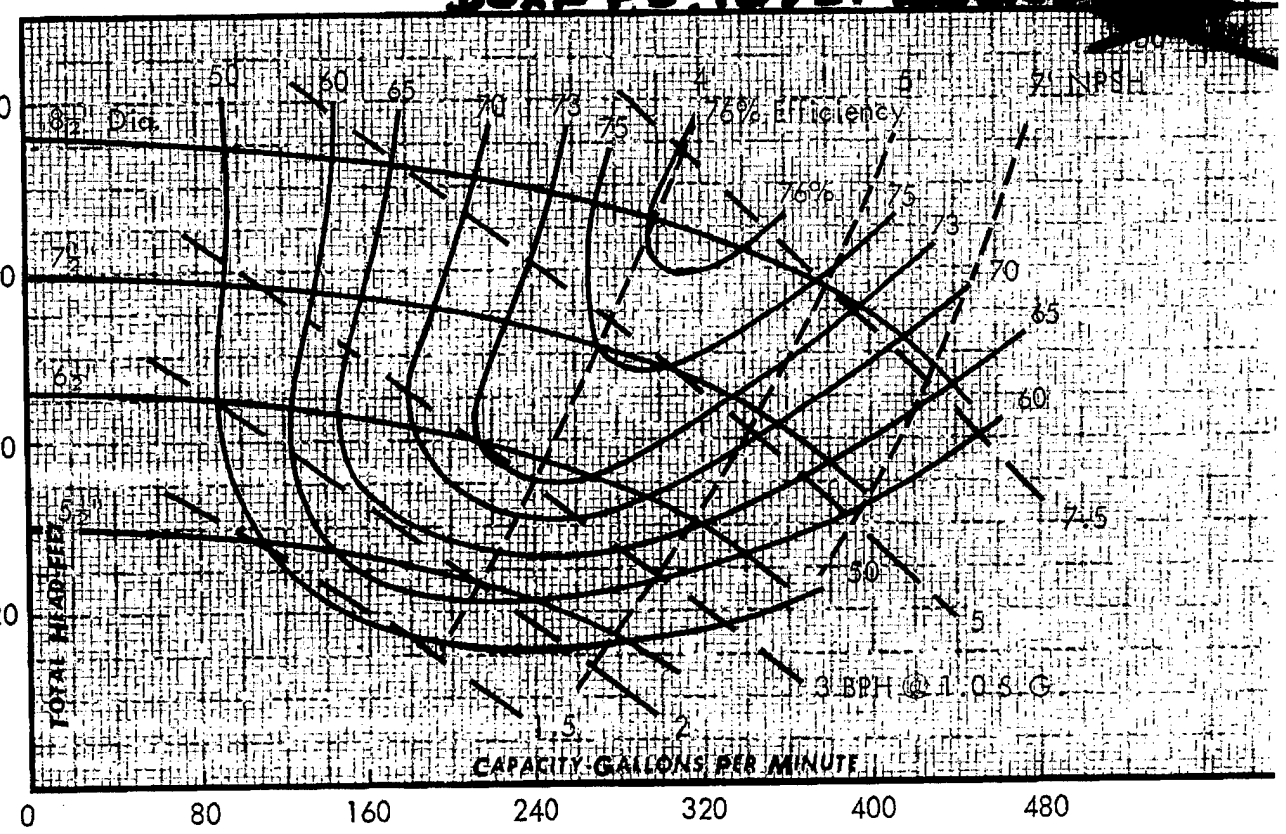
PUMP SIZE: 3" x 4" x 8½"

PUMP TYPE: R 434

3" **DISCHARGE** x 4" **SUCTION**



HARNISCH-MORRISON
P.O. 4932
DEAN P.O. 8921, S/N [redacted]-5



PUMP PERFORMANCE: This curve, based on extensive tests, defines the average performance of this pump for liquids having a viscosity of 70 SSU or less. Actual performance of individual units may differ slightly from the performance indicated on this curve. Pump applications made from the data contained herein are subject to confirmation and acceptance by our Engineering Department at our Indianapolis Office.

APPROVED BY [signature]

DATE ISSUED 7/6/65

CURVE R 3085-A1

RS&H

Project Number 694 1331 002

Telephone Call Confirmation

Local ____ (L.D.) ____ (Placed) ____ Rec'd ____ Date 11-21-95

B. Todd Conversed with Randy Parks of Ft. Stewart CEP

Regarding Start-up of the Satellite Energy Plant

They began start-up of the SEP on Monday (11/13/95). A leak was discovered in a cascade "manhole" so the SEP was shut down while repairs were made. After starting the SEP again, another leak was discovered (a nipple at the SEP), and the SEP shut down again. Randy thinks (hopes) the SEP will be operational by next Monday (11/27/95).

Randy said the typically find about 2 leaks each year during the SEP start-up.

Distribution:

RS&H

Project Number 694 1331 002

Telephone Call Confirmation

912 - 767 - 8931

Local ____ L.D. ____ Placed ____ Rec'd ____ Date 8-14-95

B. Todd
Conversed with Randy Parks of Ft. Stewart CEP

Regarding Makeup water for the satellite energy Plant (SEP)

The chillers at the SEP are not used so there is no make up water for the CHW system.

The make up water for the SEP HTW distribution system comes from the CEP. There is no direct makeup water system at the SEP. The water level in the cascade heaters is checked a few times each day. When the water level gets too low the CEP operators use the HTW return pipe to "back fill" the cascade heaters.

Distribution:

RS&H

SUBJECT SEP Pumps
DESIGNER
CHECKER

AEP NO
SHEET OF
DATE
DATE

SEP PUMP DATA

SOUTH PUMP - NEEDS INSULATION

MFGR - DEAN BROS
SIZE - 4X6X10 1 R454
SER.NO. 142716
FLOW 885 gpm
HEAD 300 FT
SPEED 3500 RPM
SP.GRAV. 0.859

MOTOR

FRAME 404TS
HP 125
VOLT 230/460
AMPS 284/142
S.F. 1.15
SPEED 3495 RPM

SPEED REDUCER

MFGR - PEERLESS
OUTPUTSHAFT SPEED 310 RPM.

PUMP DISCH PRES. - 210 PSIG
" INLET TEMP - 380°F

CEP H.T. CIRC. PUMPS.

MFGR - DEAN BROS.
SIZE - 4X6X10 1 R454
SER.NO. 132508
FLOW 910 gpm
HEAD 300 FT
SPEED 3300 RPM

SPEED REDUCER.
PEERLES - HYDROCONSTANT.

PUMP DISCH. PRES. 225 PSIG
" SUCT. " 190 PSIG
" TEMP ? °F

B.4 HTW DISTRIBUTION SYSTEM SURVEY FORMS

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN DP-1-17/18 AND VP-1-18

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 2 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 500 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A

Notes:

Slight steam flow from drain vent in DP-1-17/18. Very heavy noise observed on detection equipment. Sounds like fluid flow or boiling liquid, a steady rushing sound. Same noise observed with hand held S-20 model leak detector. No peaks found.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-17 AND DP-1-17/18

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 2 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 300 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A

Notes:

Same background noise as previous test. No leak found. Check listening equipment on a nearby fire hydrant - they were working properly.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-16 AND VP-1-17

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 4 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 500 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A

Notes:

There is a pin hole leak in a joint weld where the HTW pipe enters VP-1-16. No leak detected by the equipment. Same heavy background noise.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-15 AND VP-1-16

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 4 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 400 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leak detected.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-14 AND VP-1-15

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 6 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 400 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leak detected.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-13 AND DP-1-13

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 4 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 250 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leak detected

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-9 AND VP-1-10

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 400 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leak detected.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-8 AND VP-1-10

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 700 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leaks detected.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 1 BETWEEN VP-1-7 AND VP-1-10

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 1020 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Same background noise, no leaks detected.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 2 BETWEEN VP-2N-8 AND VP-2N-9

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 2 1/2 inches

Type of Fluid HIGH TEMPERATURE WATER

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 300 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Tested here because there were no suspected leaks and far from CEP. Still had severe background noise.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 3 BETWEEN VP-3-11 AND VP-3-12

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER SUPPLY

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 500 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

Clanging noise in this pipe - probably due to water hammer from groundwater coming in contact with the HTW pipe, Probable Conduit leak here.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed ZONE 3 BETWEEN VP-3-11 AND VP-3-12

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 8 inches

Type of Fluid HIGH TEMPERATURE WATER RETURN

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 500 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
FULL	ALL	NONE	N/A

Notes:

About 1 to 2 GPM of groundwater is leaking into VP-3-11 from around conduits.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed SEP ZONE BETWEEN VP-S-12 AND VP-S-13

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 3 inches

Type of Fluid HIGH TEMPERATURE WATER SUPPLY

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 800 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	PEAK	620'-660' from VP-S-12
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A

Notes:

There is a pin hole leak in the pipe joint in VP-S-12. Slight steam flow from conduit vent in VP-S-13. Heavy background noise, did not detect visible pinhole leak, peak found during one scan was not repeatable.

LEAK DETECTION SURVEY LOG

Agency Name FORT STEWART Date 2-21-96

Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD

Area Surveyed SEP ZONE BETWEEN VP-S-12 AND VP-S-13

Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990

Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS

Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT

Pipe Diameter 3 inches

Type of Fluid HIGH TEMPERATURE WATER RETURN

Temperature of Fluid 380 (°F) or °C

Insulated ✓ Yes; ____ No

Distance Between Listening Points 800 (Feet) or Meters

Listening Points Used:

Meters ____; Hydrants ____; Valves ✓; Test Rods ____; Other ____

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A

Notes:

Heavy background noise, points scattered, no peak.